Olmsted Locks and Dam

Inland Waterways Users Board Meeting #82

MR. Michael Braden, PE, PMP, CCE CHIEF, Olmsted Division Louisville District 24 February 2017



"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."







Olmsted Bottom Line Up Front

- ✓ Current Schedule: Ahead of Schedule
- 2018 (Project Operational)
- 2022 (Project Complete)
- ✓ Current Cost: Under Budget
- TEP (\$330M+) Total Estimated Price (updated monthly)
- TPCS (\$153M) Total Project Cost Summary (reflects FY17 update)
- ✓ Keys:
 - 1. Receiving **efficient funding** (annual capability) has allowed the PDT to effectively plan and execute our annual work plan.
 - 2. Advantageous river conditions have allowed the work to expand beyond the contractual low water season (15 Jun – 30 Nov).

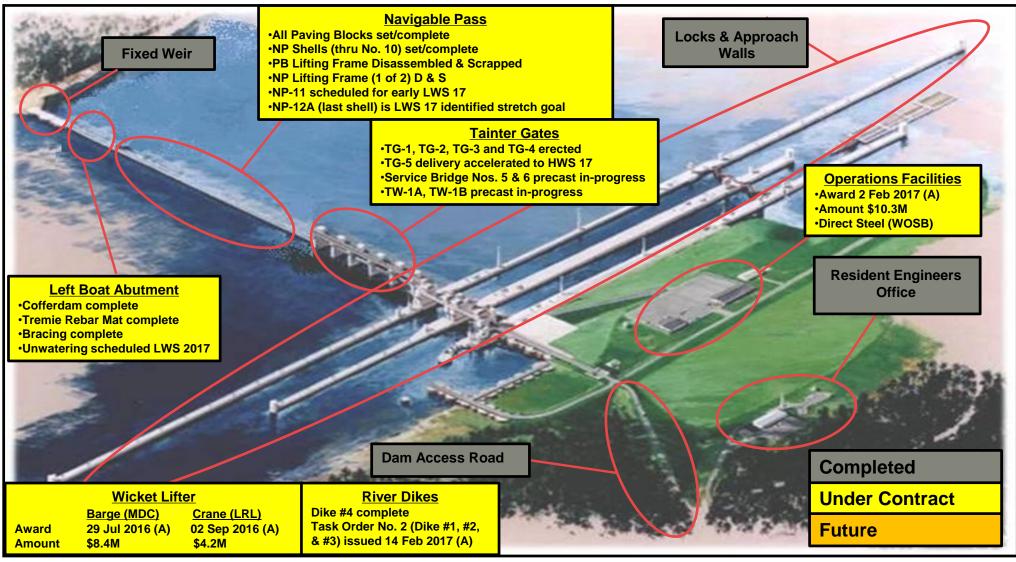








Olmsted Project Overview - Status



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2017 High Water Season Images



TG No. 4 Direct Connect Hydraulic Cylinders



Installation of Service Bridge Nos. 3 & 4



River Dike No. 4



TW-1A/1B



TG Control Cabinet









2017 Plan-to-Complete

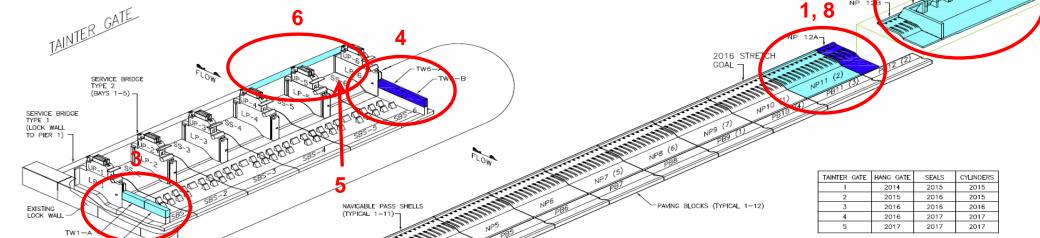
RINGER BARGE PLACEMENTS	
SHELL	WEIGHT (TONS)
RBA PIECE 3	81.5
TW1-A	347
TW1-B	302
TW6-A	308
TW6-B	316
SERVICE BRIDGE TYPE 2 (2)	283
7 REMAINING RINGER PLACEMENTS	•

CAT BARGE PLACEMENTS	
SHELL	WEIGHT (TONS)
NP 11	4955
NP 12A	(4785.7) 1/2
RBA PIECE 2	372
3 REMAINING CAT BARGE PLACEMENTS	





OAT



SETTING SEQUENCE
2016 PB12, PB11, PB9, PB10, NP7, NP8, NP9, NP10, B1, B2, B3, B4
2017 NP11, NP12B, LBA (CIP), RBA-2/3, TW-1A/B, B5, B6
2018 NP12A, TW-6A/B

NOTE:

- AVERAGE CYCLE TIME TO SET A PAVING BLOCK OR NAVIGABLE PASS MONOUTH SHELL 4 WEEKS.
- NAV CHANNEL WILL BE LOCATED BETWEEN M1 AND M5 (REG RIVER STAGE 290 OR GREATER).

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Olmsted Project Time and Cost Scorecard – Dec 2016



Expenditures (thru Dec)

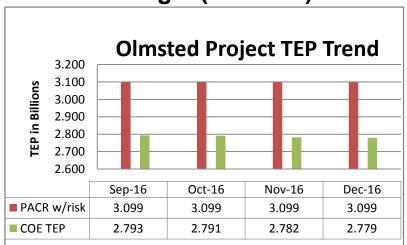
Planned (BCWS) \$2.146B Earned (BCWP) \$2.493B Actual (ACWP) \$2.312B

BCWP: Reports the value (based on % complete) of the work performed to date.

Target:

Actual as compared to Planned: (<1% = Green) (>1% and <3% = Yellow) and (>3% = Red)

Budget (thru Dec)



Schedule (thru Dec)

(PACR)/(Current)

Project Complete April 2026/Mar 2022
Dam Operational Oct 2022/Oct 2018



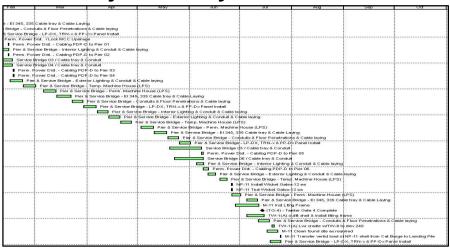
Measures: Planned project completion and Dam contract operational dates

Target:

Green: Current = PACR-12 months

Yellow: Current = PACR-11 months to PACR-7 months Red: Current = PACR-6 months to after PACR date

Major Activity Schedule



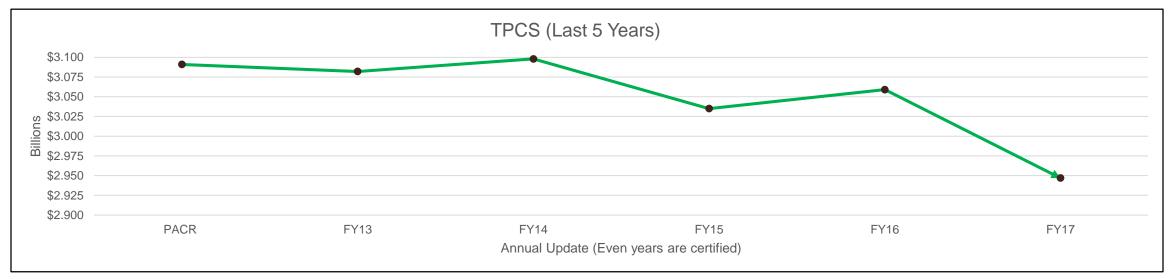


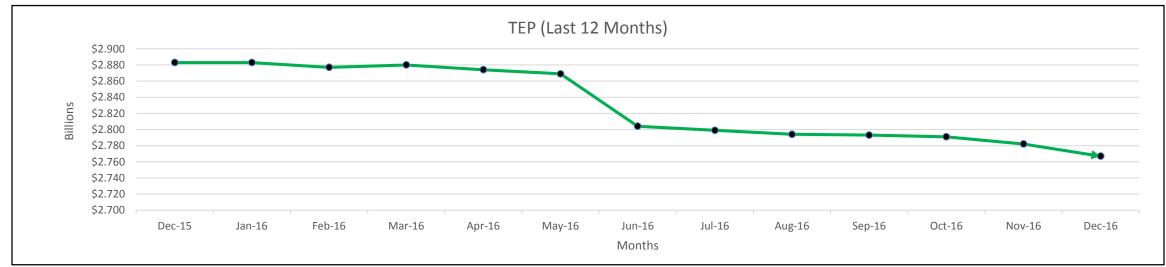






12 Month Cost Trends











Discussion





Army Strong
Building Strong
Finishing Strong

BUILDING STRONG® and Taking Care of People!





